

ABSTRACT

Chromium-cobalt alloys useful for use with high-expansion porcelains in the fabrication of prosthetic dental appliances. The alloys herein comprise cobalt, chromium and manganese as essential components; and include one or more of aluminum, indium, gallium, tin, and germanium; and may include one or more of iron, nickel, palladium and platinum. Optional components include gold, tantalum, niobium, molybdenum, tungsten, vanadium, iridium, ruthenium, rhenium, titanium, silicon, copper, zirconium, hafnium, boron, yttrium, and rare earths metals. The alloys herein are useful with high-expansion dental ceramics and porcelains.

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FOOTNOTES: 016/2660